\<Seno\>

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Use-Case Specification

Version \<1.0\>

Revision History

Date	Version	Description	Author
<26/11/2022>	<1.0>	Describe all proposal use-case in our team project.	Seno Team
<10/12/2022>	<1.1>		Seno Team

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1. Use-case Model

[Put an image of the use-case diagram modeling all use-cases in this section]
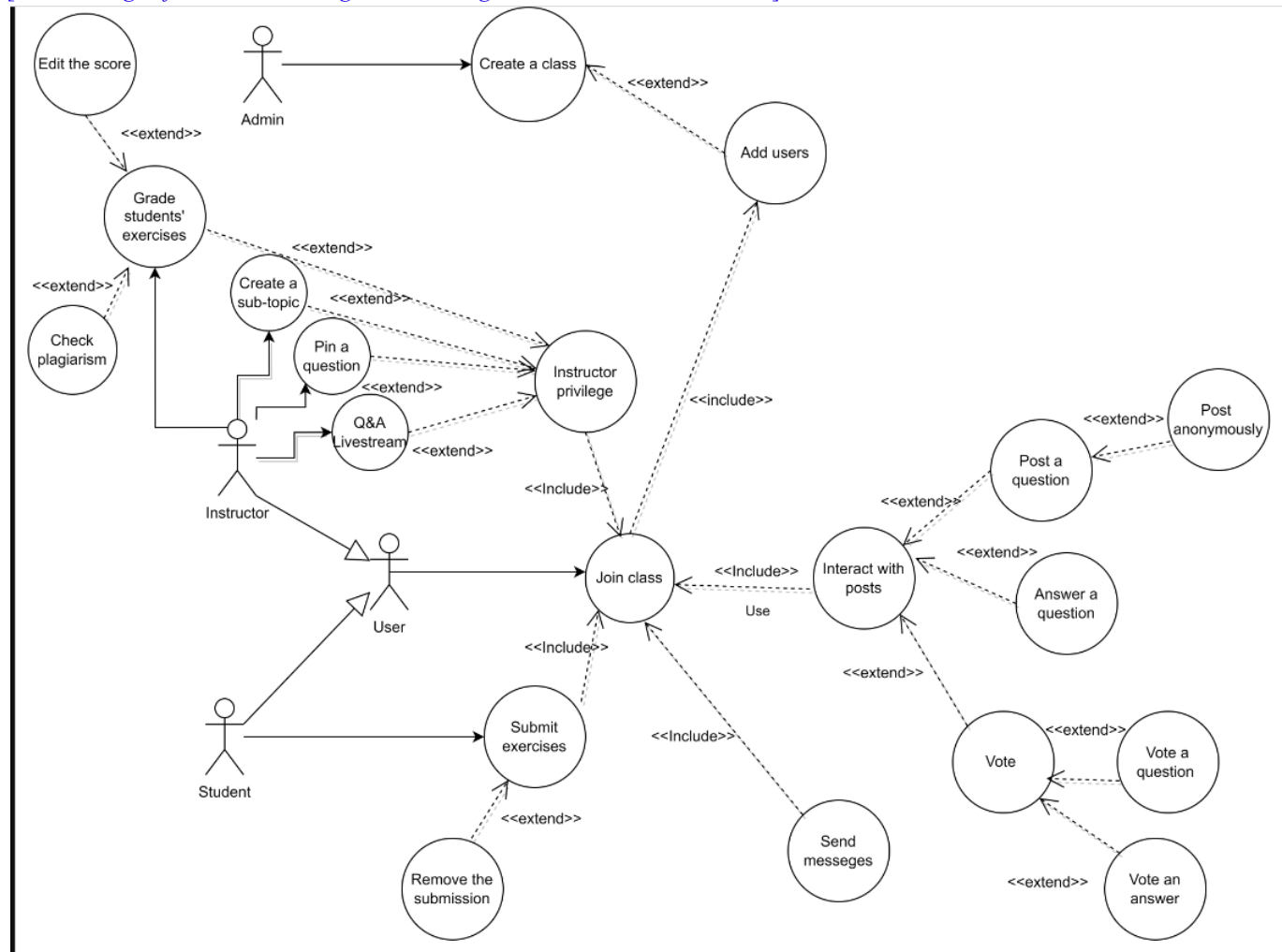
2. Use-case Specifications

2.1

Use case Name	See the details of the course and all functions that he or she can use.
Brief description	This use case describes how the user can see the details and functions of the course that they choose
Actors	All users
Basic Flow	1. On the homepage, after logging into the website, the user can choose the course that they participate in. 2. System will switch the screen from the list of courses in which they participated to the screen with the detail of this course.

	3. After clicking on the course, the system will display the details of the course and some functions that they can use.
Alternative Flows	
Pre-conditions	User successfully log in to the course
Post-conditions	User successfully see the details of the courses and all function that he or she can use

2.2

Use case Name	Post an announcement.
Brief description	This use case describes how the instructors can post their announcements.
Actors	Instructors
Basic Flow	1. In the course detail display, the user can choose the announcement button in order to see all the posts of old announcements. 2. The system will switch from the detail of the course to the announcement mode screen. 3. Next, they will choose the button "Create announcement" after step 1 and the system will create a box for them to do this work. 4. The user types the concept of the announcement in order to announce something to the students. 5. Click on the button "submit the announcement" to post this announcement.
Alternative Flows	Alternative flow 1: See full description of an old announcement. 1. User clicks on an old announcement to see the concept of this announcement. 2. After clicking on the title of the old announcement, the screen will switch from the mode of displaying all announcements of the course to the detail of this announcement. Alternative flow 2: User deletes an old announcement. 1. User clicks on an old announcement to see the concept of this announcement. 2. User clicks on the title of the announcement and the screen will display the full detail of this announcement. On the right of the box of questions, there will be a button for "deleting" this question. 3. User can delete the question after entering "Delete this question" on the submit box. This box is displayed after choosing the button "delete".
Pre-conditions	Lecture or instructor successfully enters the course and can see the details of this course.
Post-conditions	User successfully creates an announcement

2.3

Use case Name	Interact with the posts in the forum (See all questions that the user post in a specific course).

Brief description	This use case describes how the user can see the brief description of all question which was asked in a given course.
Actors	Users
Basic Flow	1. In the course detail display, the user can click on the "Forum" button. 2. The system will switch from the screen of the details of the course to the screen of the forum of this course. 3. All questions of the course are displayed on the screen. 4. Next, they can read all brief descriptions of all questions which was asked in this course.
Alternative Flows	
Pre-conditions	User successfully enters the course and can see the details of this course.
Post-conditions	User successfully see all question which was posted in the forum of this course.

2.4

Use case Name	Pin a question.
Brief description	This use case describes how the lecturers or instructors can pin a good question that the students ask in the forum of the course.
Actors	Instructors
Basic Flow	1. In the forum display, users will choose the question that they want to pin in order to see the full detail of the question. 2. Next, they choose the pin button in order to pin this question at the top of the forum. 3. The system will create a pop-up to ask the users "Do you want to pin this question" and two choice buttons "Yes" or "No". 4. User can click one of two buttons to confirm this work.
Alternative Flows	Alternative flow 1: User want to unpin this question 1. In the forum display, users will choose the pinned question that they want to unpin in order to see the full detail of the question. 2. Next, they choose the pin button in order to pin this question at the top of the forum. 3. The system will create a pop-up to ask the users "Do you want to unpin this question" and two choice buttons "Yes" or "No". 4. User can click one of two buttons to confirm this work.
Pre-conditions	User successfully clicked on the forum of the course to see all the questions
Post-conditions	User successfully pin the question.

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2.5

Use case Name	Post a question.
Brief description	This use case describes how the students can post a question on the forum of one specific course in order to ask the others.
Actors	Users
Basic Flow	1. In the forum display, the user will click on the button "Post question".

	2. The system will create a box for the users in order to type all fields of the questions and also format it. There are two buttons at the end of the box: "Submitting question" or "Cancel" to create or question or cancel the work, 3. Next, the user will compose the concept of this question on this given box. 4. Finally, they choose the button "Submitting" in order to post this question.
Alternative Flows	
Pre-conditions	User successfully clicked on the forum of the course to see all the questions
Post-conditions	User successfully posted the question

2.6

Use case Name	Post questions anonymously.
Brief description	This use case describes how the users can post a question on the forum of one specific course in order to ask others by an anonymous mode.
Actors	Users
Basic Flow	1. After clicking on the button "Submitting the question", our system will display a box for checking "Do you want to post this question anonymously?" 2. The user chooses "Yes" in this pop-up to post the question anonymously, or chooses "No" to reject it.
Alternative Flows	
Pre-conditions	User successfully posts the questions.
Post-conditions	User successfully posts the questions in the anonymous mode.

2.7

Use case Name	Answer a question.
Brief description	This use case describes how the users can answer the question on the forum of one specific course.
Actors	Users
Basic Flow	1. After seeing all the descriptions of the question, the user can click on one specific question to see the full details of this question. 2. User chooses the button "Answer" to type something to answer this question 3. The system will create a box for the users to type in this box for asking question 4. The user chooses the button "Submit the answer" to comment on this question.
Alternative Flows	Alternative flow 1: User does not want to answer the question: 1. They will choose the "cancel" beside the button "Submit the answer". 2. System will close the typing field and return to the screen of fully description of this question
Pre-conditions	User successfully clicked on the forum of the course to see all the questions

Post-conditions	User successfully submitted the answer to this question.

2.8

Use case Name	Voting mode.
Brief description	This use case describes how the users can choose the voting type for the question on the forum of one specific course.
Actors	Students
Basic Flow	1. In the forum display, the user will click on the question to see the details of this question. 2. After clicking on this question, the system will move the screen to see the details of the question and it will display the voting mode here. 3. The user chooses the voting mode for voting the question or voting the answer to this question.
Alternative Flows	
Pre-conditions	User successfully clicked on the forum of the course to see all the questions
Post-conditions	The voting mode is performed successfully in this question

2.9

Use case Name	Vote a question.
Brief description	This use case describes how the user can vote or upvote a question which is displayed on the forum screen at first.
Actors	Users
Basic Flow	1. After entering the voting mode question, the user can vote or upvote the question after reading it by clicking on the like or dislike button respectively. 2. After performing this action, the system will increase the number of likes or dislikes of this answer on the comment depending on the choice of the user.
Alternative Flows	
Pre-conditions	The voting mode is performed successfully in this question
Post-conditions	The user successfully like or unlike this question

2.10

Use case Name	Vote an answer
Brief description	This use case describes how the user can vote or upvote a question which is displayed on the forum screen at first.
Actors	Users
Basic Flow	1. After entering the vote mode question and seeing the comment, the user can vote or upvote the answer when they read the comments by clicking on the like or dislike button respectively. 2. After performing this action, the system will increase the number of likes or dislikes of this answer on the comment depending on the choice of the user.
Alternative Flows	

Pre-conditions	User enters successfully the vote mode on this question
Post-conditions	User successfully votes or up votes.

2.11

Use case Name	Instructor privilege
Brief description	This mode is only used by the instructor of the course. They can enter this mode to monitor some sub-function such as: Creating a sub-topic, pin question, and Q&A Livestream.
Actors	Instructor
Basic Flow	1. After entering the course and seeing the detail of the course, the user can see extended mode for instructors. 2. The system will display some functions which are only displayed for the instructor. 3. They can perform one of these extended tasks by clicking on it.
Alternative Flows	
Pre-conditions	Instructors enter the course successfully and see the details of the course on the screen.
Post-conditions	Instructor successfully sees the details and functions of instructor privilege.

2.12

Use case Name	Create a sub-topic
Brief description	This mode is only used by the instructor in order to create some part of the course and they can upload the file here for this course.
Actors	Instructor
Basic Flow	1. After seeing the detail of the mode for the instructor, the user can create a sub-topic by clicking on the "Create a topic" button. 2. The screen will pop up a new window for users to upload files or create topics in this course. 3. Users will choose the button "Submit topic" or "Cancel" to submit or cancel the current creating topic of the course.
Alternative Flows	
Pre-conditions	Instructors successfully see the details and functions of instructor privilege.
Post-conditions	Instructor successfully creates the topic for the course.

2.13

Use case Name	Q&A Livestream
Brief description	This use case describes how the user can connect to the Livestream mode in order to teach the students and answer their questions.
Actors	Instructor
Basic Flow	1. After seeing the detail mode for the instructor, the user can choose the button "Q&A Livestream" to switch to the live mode of the course 2. System switch from the instructor mode and perform the Livestream mode on the screen.

	3. The user can turn on or turn off the mic or video when they live and they can perform their lecture

Alternative Flows	Alternative flow 1: The System is not allowed microphone access yet
	    1. The system requires microphone access
	    2. If the user does not allow microphone access, this person cannot talk to the students in this course when they live stream. Otherwise, they can turn on the micro and discuss it with the students or other instructors.
	Alternative flow 2: The system is not allowed camera access yet.
	    1. The system requires camera access
	    2. If the user does not allow camera access, this person cannot share their face or their action through camera to the students in this course when they live stream. Otherwise, they can turn on the camera and show the concept on their board or something else.

Pre-conditions	Instructor successfully see the details and functions of instructor privilege.
Post-conditions	Instructor can perform the livestream mode successfully in the course.

2.14

Use case Name	Send the messages
Brief description	This use case describes how the user can message to someone through the message box in the display detailing of the course.
Actors	User
Basic Flow	1. After seeing the detailed course of the user, the user can choose the button "messaging" on the screen in order to message someone who participates in this course 2. After clicking on this button, the screen will close the current screen and switch to the message box. 3. User can search name of a person in the course to message 4. They will type the concept that they want to mention in the message box 5. Finally, they can message others by entering the send button which is below the messaging box.

Alternative Flows	Alternative flow 1: User want to unsend the message which is sent class
	    1. After sending the message to the others, user can see the discussion of this conversation. User will click on the message they want to unsend.
	    2. Next, the choice tab will be displayed and user can click on button "Unsend message" to unsend this message.
	Alternative flow 2: User want to change the concept of the message
	    3. After sending the message to the others, user can see the discussion of this conversation. User will click on the message they want to unsend.
	    4. Next, the choice tab will be displayed and user can click on button "Change the message" to change the concept of this message.

Pre-conditions	User successfully sees the details of the course after clicking on the course.
Post-conditions	User successfully messages the other participant in this course.

2.15

Use case Name	Create a course.
Brief description	This use case describes how the administrator can create a course
Actors	Administrator
Basic Flow	1. After logging in to the website, the admin can choose the button "Create Course" in order to create the course. 2. After clicking on this button, the system will close the current screen and move to a screen with many fields for filling in order to create the course. 3. The admin will fill on these fields in order to complete the mandatory description for the course. 4. Finally, the admin will click "submit creating course" in order to create the course.
Alternative Flows	
Pre-conditions	Administrator successfully logs in to the website.
Post-conditions	Administrator successfully creates the course.

2.16

Use case Name	Add users to the course.
Brief description	This use case describes how the administrator can add users to the course.
Actors	Administrator
Basic Flow	1. After creating the course successfully, the administrator can click on this course. 2. They can click on the button "Add users" after clicking on the course. 3. System will pop up a small screen for the administrator to enter the excel file or enter manually the id code of other users in order to add to the course. 4. Administrator will click on the button "Submit Adding" in order to successfully add other users to the course.
Alternative Flows	
Pre-conditions	Administrator successfully creates the course that they want to add.
Post-conditions	Administrator successfully adds a list of users to the course.

2.17

Use case Name	Submit exercises
Brief description	This use case describes how the student can submit their homework for the instructors in order to grade.
Actors	Students
Basic Flow	1. After entering the course successfully, student can click on one of some exercises that he or she will submit 2. After clicking on the icon of submission ò this exercise, the system will switch from the screen of the details of the course to the box of information of this homework. 3. User will click the add submission to add the file for submitting.

	4. The system will create a box for submitting the file and the user can drop the file to submit it.
	5. The user can choose the button to submit the question to submit it.
Alternative Flows	Alternative flow 1: Students submit wrong format.
	1. In this case, the system will create the box of the caution for the user and it will ask the user submit again.
	2. Next, user will click on the button "Accept" to submit the question again or button "Cancel" to reject this caution
	3. User will submit file again after they choose "Accept". The system will return to the box of submission for the user to submiss it
	4. After step 3, they will click on the button "Accept submission" to submit the answer.
Pre-conditions	Students successfully enter the course and see the details of this course.
Post-conditions	Students successfully add their submission of one exercise.

2.18

Use case Name	Remove the submissions
Brief description	This use case describes how the student can remove the submission for the homework.
Actors	Students
Basic Flow	1. After submitting the file for the homework, student can see the details of the submission and the button "Remove Submission" is displayed.
	2. Student can choose the button "Remove Submission" in order to submit it again
	3. The system will create a box of announcement to ask the user again and ask them confirm (By using buttons "Yes" or "No")
	4. Student chooses "Yes" to remove their submission.
Alternative Flows	
Pre-conditions	Student successfully submit for the homework
Post-conditions	Students successfully remove their submission from specific homework.

2.19

Use case Name	Grade the students exercises
Brief description	This use case describe how the instructor can grade the students's homework.
Actors	Instructors
Basic Flow	1. After entering the course and see the details of this courses, instructor can choose one homework to grade. First, the instructor will click on the icon of this homework
	2. The system will turn into the grading mode and the instructors can see the submission of the students.
	3. Next, he will choose one of those submissions to grade first

	4. The system will display the information of this submission and the instructor can download the file of this submission on the box of detail submission
	5. After grading the submissions by hand, the instructor can fill the grade for this submission in to the field of grading.
	6. Finally, the instructor click on the button "Submit grading" in order to submit the grade.
	7. Instructor can turn the button next to see the other submission quickly and grade for the other students who submit on this exercise
	8. The system will display the detail information and submission file of other submissions.
Alternative Flows	
Pre-conditions	Instructor successfully enter and see the full details of the courses
Post-conditions	Instructor successfully grade the students.

2.20

Use case Name	Edit the score of homework submission
Brief description	This use case describes how the instructor can edit the homework score of some submissions.
Actors	Instructors
Basic Flow	1. After grading the homework, instructors can edit the homework score by clicking entering the homework submission to see the details of submissions in this homework
	2. Instructor will choose the "Edit button" on the box of all submissions in order to edit the score.
	3. Next, the instructor can edit the score of some students by clicking on the field of grading and adding new value.
	4. Finally, the instructor will choose button "Completed edit score" in order to complete the editing work.
Alternative Flows	
Pre-conditions	Instructor successfully grade for the homework.
Post-conditions	Instructor sucessfully edit the score of some submissions in this homework

2.21

Use case Name	Checking the plagiarism for the submission.
Brief description	This use case describes how the instructor can check the plagiarism for all submission in this homework (Only for checking code and pdf format)
Actors	Instructors
Basic Flow	1. After entering grading homework mode, instructors can choose button "Checking plagiarism" with all submissions in this homework.
	2. The system will perform checking plagiarism task.

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	3. Next, the system will return the results and highlight which submissions are detected. 4. Instructors choose button "close" to end this work.	
Alternative Flows		
Pre-conditions	Instructor successfully enter the mode of grading exercises	
Post-conditions	Instructor successfully complete checking plagiarism of all submissions	